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	Application No.	Applicant(s)			
	10/600,750	LUYKEN ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Mai-Huong Tran	2818			
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due of	ed course. THIS		
1. This communication is responsive to <u>9/8/03</u> .					
2. The allowed claim(s) is/are <u>1-29</u> .					
3. A The drawings filed on <u>08 September 2003</u> are accepted by	the Examiner.	•			
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a)  All b)  Some* c)  None of the:  1.  Certified copies of the priority documents have been received.  2.  Certified copies of the priority documents have been received in Application No</li> <li>3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>					
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply of this application.	complying with the req	uirements		
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER' es reason(s) why the oath or declarate	S AMENDMENT or Notion is deficient.	OTICE OF		
<ul> <li>6. CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.</li> <li>(a) including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached</li> <li>1) hereto or 2) to Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).</li> </ul>					
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
<ul> <li>Attachment(s)</li> <li>1.  Notice of References Cited (PTO-892)</li> <li>2.  Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3.  Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 1/2/04</li> <li>4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	5. Notice of Informal Pa 6. Interview Summary Paper No./Mail Date 8), 7. Examiner's Amendm 8. Examiner's Stateme 9. Other	(PTO-413), e nent/Comment			

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## **DETAILED ACTION**

## Reason for allowance

The following is an examiner's statement of reason for allowance: None of the references of record teaches or suggests the claimed Circuit Element Having a First Layer Composed of an Electrically Insulating Substrate Material, a Method for Producing a Circuit Element, Bispyridinium Compounds and their Use in Circuit Elements having:

a monomolecular layer composed of redox-active bispyridinium molecules, which is arranged between the first layer composed of the electrically insulating substrate material and the second layer with the second electrically conductive material, with the bispyridinium molecules in the monomolecular layer being immobilized on the electrically conductive material which is in the form of at least one discrete area, and with bispyridinium molecules in the monomolecular layer making electrical contact with the second electrical material of the second layer, wherein electrically inert molecules are immobilized on the first layer which is composed of the electrically insulating substrate material, and which molecules form a matrix which surrounds the at least one discrete area with the monomolecular layer composed of bispyridinium molecules.

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Immobilizing redox-active bispyridinium molecules are immobilized as monomolecular layer on the at least one discrete area which is composed of the first electrically conductive material; immobilizing electrically inert molecules are immobilized on the first layer which is composed of the electrically insulating substrate material, whereby the electrically inert molecules form a matrix which surrounds the at least one area with the monomolecular layer composed of bispyridinium molecules; and applying a second layer with a second electrically conductive material to the layer composed of the electrically inert molecules and the bispyridinium molecules, whereby the bispyridinium molecules in the monomolecular layer make contact with the second electrical material of the second layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

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## Conclusion

Any inquiry concerning this communication on earlier communications from the examiner should be directed to Mai-Huong Tran, (571) 272-1796. The examiner can normally be reached on Monday-Thursday from 8:00 AM to 6:30 PM. The examiner's supervisor, David Nelms can be reached on (571) 272-1787.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR, Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mai-Huong Tran